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# ALBERTA POPULATION GROWTH

FIRST QUARTER, 1991

CANADIANA

AUG 30 1991

The logo for the Government of Alberta, featuring the word "Alberta" in a stylized, white, sans-serif font. The letter "A" is composed of two vertical bars of different heights, creating a stylized mountain or "A" shape.

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**ALBERTA POPULATION GROWTH**  
**FIRST QUARTER, 1991**

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## PREFACE

This publication presents up-to-date information on quarterly population estimates and population growth components (births, deaths and migration) for the Province of Alberta. These statistics, jointly prepared with the Demography Division of Statistics Canada, are derived using several government administrative data files.

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# THE HISTORY OF THE

REIGN OF  
HENRY THE SEVENTH  
OF ENGLAND

BY  
JAMES HALLAM

1833

THE HISTORY OF THE REIGN OF HENRY THE SEVENTH OF ENGLAND, FROM THE DEATH OF EDWARD THE FOURTH, TO THE DEATH OF HENRY THE SEVENTH. IN THREE VOLUMES. VOL. I.

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## ALBERTA POPULATION GROWTH, FIRST QUARTER, 1991

The continuation of the migration from Saskatchewan and Ontario to Alberta, a trend set during the late 1980s, helped Alberta record the highest first quarter interprovincial migration gain (1,400) since 1982.

Alberta also gained 2,800 people from abroad, primarily due to a strong Canadian immigration level. These flows (interprovincial and international) plus natural increase (births minus deaths) produced another first quarter high since 1982, the overall population growth of 11,700.

### INTRODUCTION

This publication presents the most recent population estimates by component (migration, births and deaths) for Alberta for the first quarter of 1991. Also incorporated are historical data by quarter since 1986, statistics on quarterly flows between Alberta and other provinces (1990-91), and population growth components by census year (1981-90). As a regular feature for all first quarter reports, population estimates by single years of age and sex for January 1, (1990 and 1991) are provided.

The three charts depict population movements. Figures 1 and 2 illustrate changes since 1981 on major population growth components and interprovincial migration, respectively. Figure 3 shows migration exchange between Alberta and other provinces for the first quarter, 1991.

The following section analyzes Alberta's current demographic situation. The appendix includes the methodology and information sources employed in deriving the population estimates.



## **QUARTERLY GROWTH STATISTICS**

- Alberta enjoyed the highest first quarter interprovincial migration gain (1,400) since 1982 as the pattern of strong positive migration from Ontario and Saskatchewan continued (Figures 2, 3 and Table 2). At the same time, the loss to British Columbia decreased (Table 3).
- The 910 people gained from Ontario, marginally lower than the previous first quarter figure (930), was the second highest first quarter level since 1982. This net inflow, combined with 1,210 persons gain from Saskatchewan, more than offset the 1,570 net outflow to B.C. The loss to B.C., the only province gaining substantially from Alberta, was over 500 less than the previous first quarter.
- Alberta also had a very favourable migration exchange with other countries in the first quarter of 1991. This was largely due to the continuing strong immigration level in Canada. The net inflow of international migrants (2,750) was the highest first quarter level since 1982.
- The natural increase (11,450 births less 3,880 deaths) contributed 7,570 people to the Alberta population (Table 4). As a result, Alberta experienced a growth of 11,720 in the current quarter, the highest first-quarter growth since 1982 (Figure 1 and Table 1).





## ANNUAL GROWTH STATISTICS (Year ending March 31, 1991)

- For the year ending March 31, 1991, Alberta experienced the highest twelve-month growth since 1982. The total population of Alberta grew by 52,000 (2.1%), 9,000 more than the previous twelve months. As of April 1, 1991, the Alberta population reached 2,513,100.
- The higher growth was due to improved migration from both interprovincial and international sources. Net interprovincial inflow exceeded 9,000 for the past twelve months, the largest yearly gain since 1982. Increased migration to Alberta from Ontario was the primary reason.
- Also contributing to the larger population growth was the increase in the number of people coming from other countries. During the last twelve months, Alberta gained 13,000 people internationally, the highest annual figure since 1982. For the same period a year ago, the level was about 2,300 lower. The changes between the two years reflected more immigrants being admitted into Canada.
- Natural increase was 29,900 for the current twelve months, a marginal change compared to 29,600 for the previous twelve months.



FIGURE 1  
POPULATION GROWTH WITH MAJOR COMPONENTS  
ALBERTA, 1981-1991

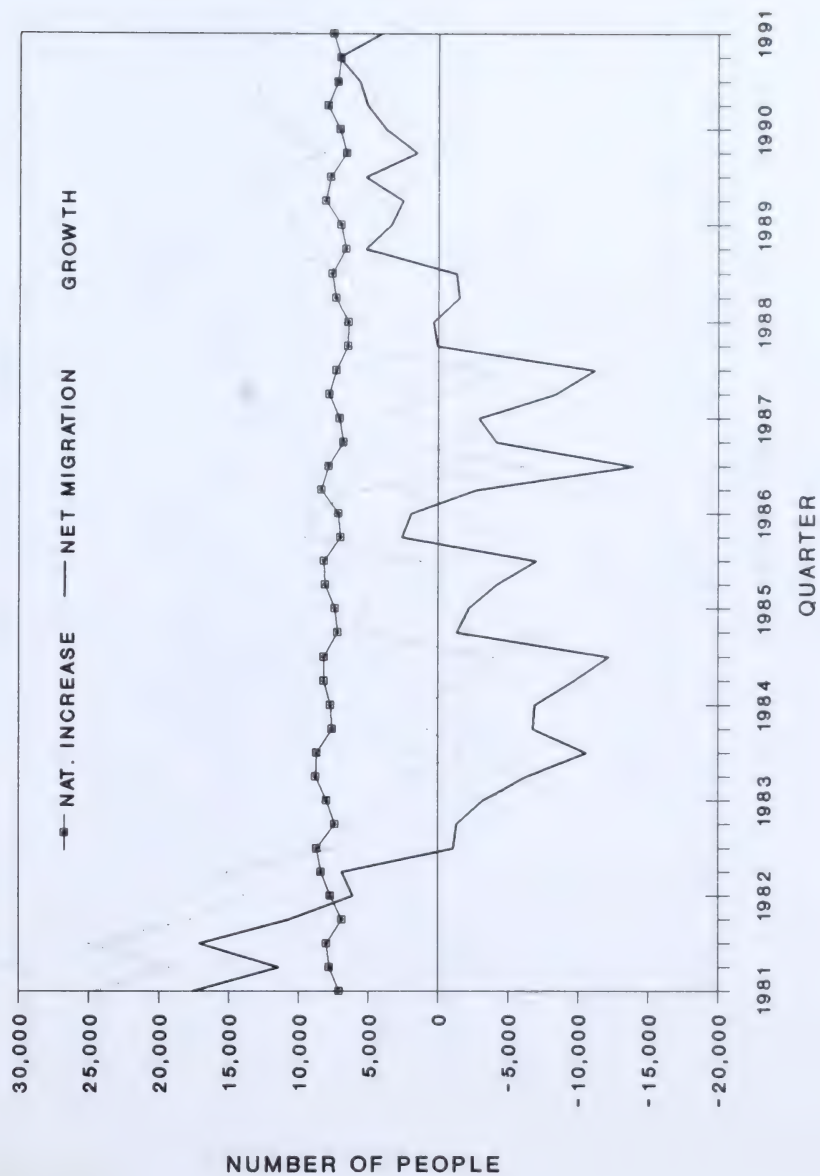
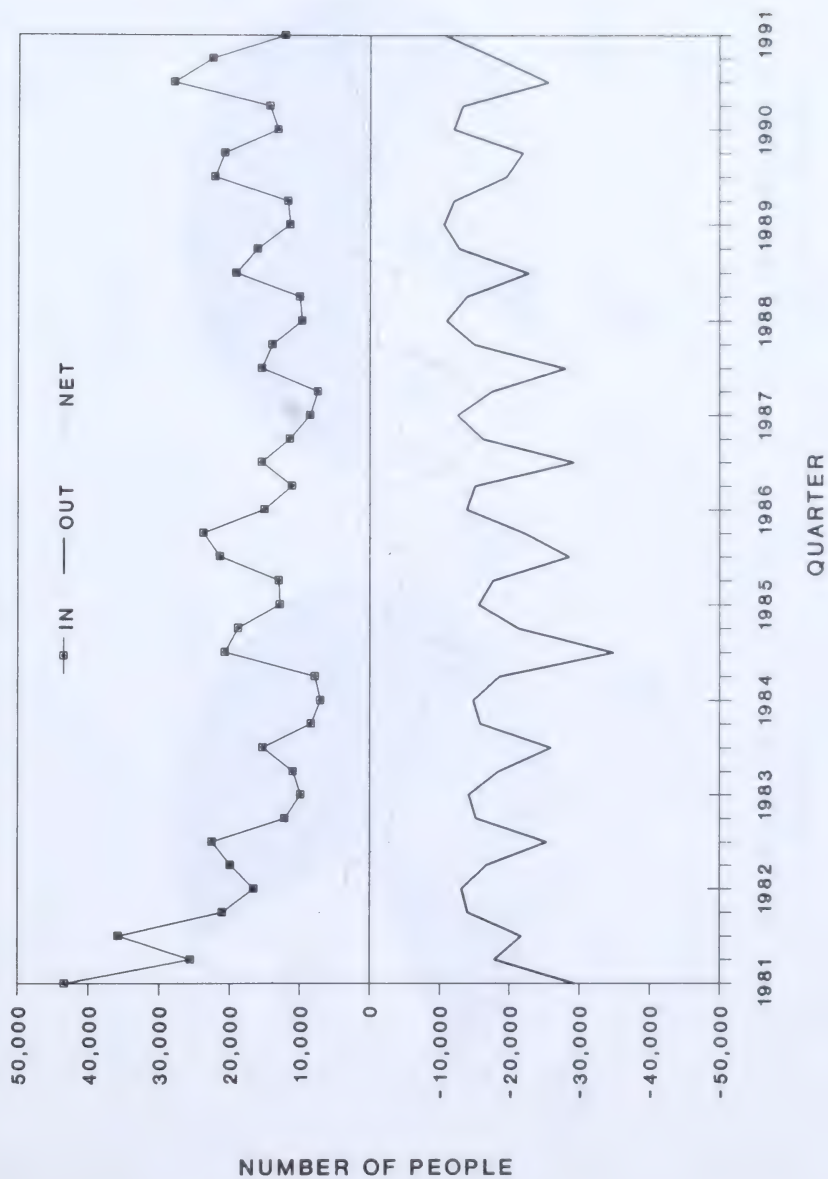




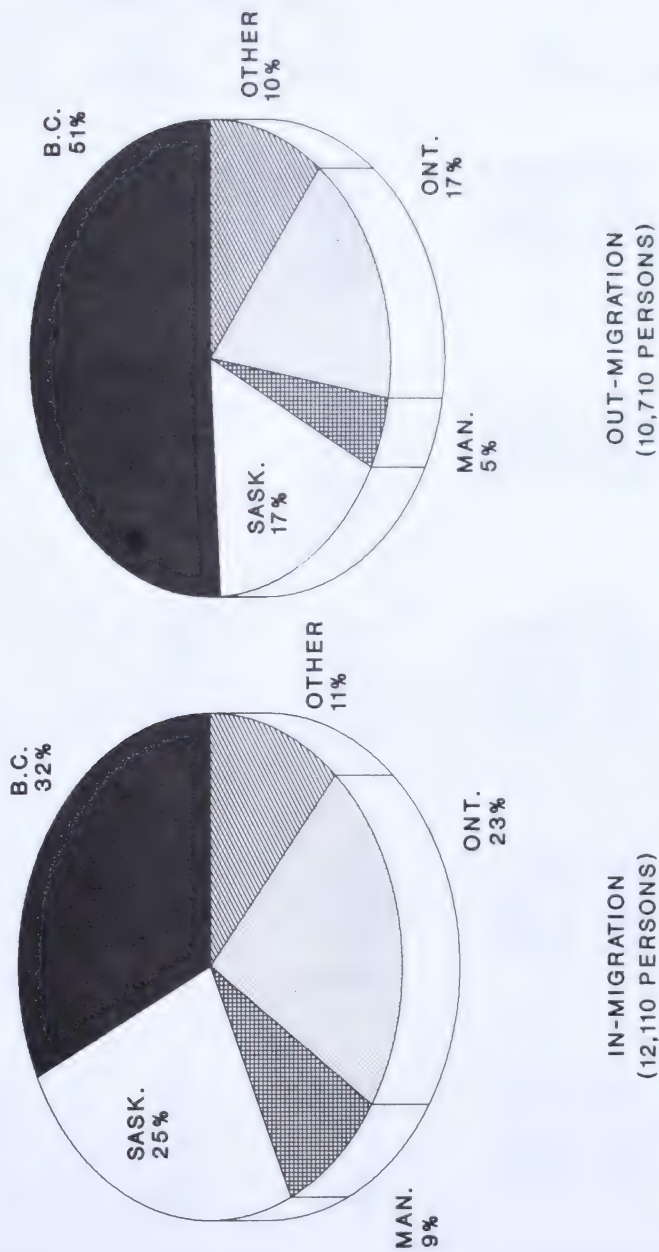


FIGURE 2  
INTERPROVINCIAL MIGRATION WITH MAJOR COMPONENTS  
ALBERTA, 1981-1991





**FIGURE 3**  
**POPULATION EXCHANGE, ALBERTA AND OTHER PROVINCES**  
**FIRST QUARTER, 1991**







**TABLE 1**  
**POPULATION GROWTH BY MAJOR COMPONENT**  
**ALBERTA, 1986 to 1991**

Quarter	Natural Increase	Net Migration	Growth	Population
<u>1986</u>				
I	7,170	1,950	9,120	2,368,200 (Apr 1, 86)
II	8,380	-2,780	5,600	2,373,800 (Jul 1, 86)
III	7,880	-13,940	-6,060	2,367,800 (Oct 1, 86)
IV	6,810	-4,140	2,670	2,370,500 (Jan 1, 87)
TOTAL	30,240	-18,900	11,340	
<u>1987</u>				
I	7,100	-2,890	4,210	2,374,700 (Apr 1, 87)
II	7,840	-8,340	-500	2,374,200 (Jul 1, 87)
III	7,340	-11,170	-3,830	2,370,300 (Oct 1, 87)
IV	6,520	110	6,630	2,377,000 (Jan 1, 88)
TOTAL	28,790	-22,290	6,500	
<u>1988</u>				
I	6,470	370	6,840	2,383,800 (Apr 1, 88)
II	7,370	-1,480	5,890	2,389,700 (Jul 1, 88)
III	7,650	-1,280	6,370	2,396,100 (Oct 1, 88)
IV	6,660	5,260	11,920	2,408,000 (Jan 1, 89)
TOTAL	28,160	2,870	31,030	
<u>1989</u>				
I	7,010	3,410	10,420	2,418,400 (Apr 1, 89)
II	8,100	2,580	10,680	2,429,100 (Jul 1, 89)
III	7,750	5,230	12,980	2,442,100 (Oct 1, 89)
IV	6,640	1,540	8,180	2,450,200 (Jan 1, 90)
TOTAL	29,500	12,760	42,260	
<u>1990</u>				
I	7,110	3,800	10,910	2,461,100 (Apr 1, 90)
II	7,960	5,140	13,100	2,474,200 (Jul 1, 90)
III	7,270	5,660	12,930	2,487,200 (Oct 1, 90)
IV	7,060	7,180	14,240	2,501,400 (Jan 1, 91)
TOTAL	29,400	21,780	51,180	
<u>1991</u>				
1p	7,570	4,150	11,720	2,513,100 (Apr 1, 91)

Notes: Total population is rounded to the nearest 100.

Data may not add to totals due to rounding.

p: Preliminary



**TABLE 2**  
**MIGRATION BY COMPONENT**  
**ALBERTA, 1986 to 1991**

Quarter	International			Interprovincial		
	Immigration	Emigration	Net	In Migration	Out Migration	Net
<u>1986</u>						
I	2,200	1,440	760	15,040	13,850	1,190
II	2,540	1,360	1,180	11,090	15,050	-3,960
III	2,530	2,720	-190	15,450	29,190	-13,740
IV	2,310	1,750	560	11,410	16,110	-4,700
TOTAL	9,580	7,270	2,310	52,990	74,200	-21,210
<u>1987</u>						
I	2,600	1,520	1,080	8,570	12,540	-3,970
II	3,190	1,500	1,690	7,440	17,470	-10,030
III	3,530	2,140	1,390	15,390	27,950	-12,560
IV	2,650	1,510	1,140	13,900	14,930	-1,030
TOTAL	11,970	6,670	5,300	45,300	72,890	-27,590
<u>1988</u>						
I	2,860	1,210	1,650	9,690	10,970	-1,280
II	3,650	1,250	2,400	10,000	13,880	-3,880
III	4,220	1,900	2,320	19,110	22,710	-3,600
IV	3,300	1,260	2,040	16,020	12,800	3,220
TOTAL	14,030	5,620	8,410	54,820	60,360	-5,540
<u>1989</u>						
I	3,350	840	2,510	11,450	10,550	900
II	4,180	1,340	2,840	11,750	12,010	-260
III	4,570	1,990	2,580	22,190	19,540	2,650
IV	4,120	1,500	2,620	20,770	21,850	-1,080
TOTAL	16,220	5,670	10,550	66,160	63,950	2,210
<u>1990</u>						
I	3,910	1,220	2,690	13,140	12,030	1,110
II	5,350	1,290	4,060	14,310	13,230	1,080
III	5,220	1,970	3,250	27,930	25,520	2,410
IV	4,250	1,280	2,970	22,460	18,250	4,210
TOTAL	18,730	5,760	12,970	77,840	69,030	8,810
<u>1991</u>						
lp	3,620	870	2,750	12,110	10,710	1,400

Notes: Data may not add to totals due to rounding.

p: Preliminary





**TABLE 3**  
**POPULATION EXCHANGE WITH OTHER PROVINCES**  
**ALBERTA, 1990 to 1991**

Quarter	Migration	NFLD	PEI	NS	NB	QUE	ONT	MAN	SASK	BC	TERR	TOTAL
<u>1990</u>												
I	To Alberta	280	40	260	310	360	3,190	970	3,230	4,190	310	13,140
	From Alberta	150	10	230	140	440	2,260	550	1,560	6,330	360	12,030
	Net Exchange	130	30	30	170	-80	930	420	1,670	-2,140	-50	1,110
II	To Alberta	170	90	350	220	310	3,550	1,330	3,300	4,560	420	14,310
	From Alberta	70	50	400	250	370	3,070	830	1,900	5,920	360	13,230
	Net Exchange	100	40	-50	-30	-60	480	500	1,400	-1,360	60	1,080
III	To Alberta	510	140	810	710	1,470	8,040	2,690	5,930	6,840	800	27,930
	From Alberta	410	140	690	530	880	5,650	1,460	3,050	11,880	850	25,520
	Net Exchange	100	0	120	180	590	2,390	1,230	2,880	-5,040	-50	2,410
IV	To Alberta	320	80	630	380	1,040	6,530	1,960	4,860	6,020	660	22,460
	From Alberta	190	60	530	320	530	3,120	1,060	2,230	9,730	470	18,250
	Net Exchange	130	20	100	60	510	3,410	900	2,630	-3,710	190	4,210
TOTAL	To Alberta	1,290	350	2,050	1,610	3,180	21,310	6,940	17,300	21,610	2,190	77,840
	From Alberta	820	260	1,860	1,250	2,220	14,100	3,890	8,740	33,860	2,050	69,030
	Net Exchange	470	90	190	360	960	7,210	3,050	8,560	-12,250	140	8,810

See notes at end of table.



TABLE 3 (CONCLUDED)  
POPULATION EXCHANGE WITH OTHER PROVINCES  
ALBERTA, 1990 to 1991

Quarter	Migration	NFLD	PEI	NS	NB	QUE	ONT	MAN	SASK	BC	TERR	TOTAL
<u>1991</u>												
1p	To Alberta	210	60	160	130	410	2,760	1090	2,990	3,890	400	12,110
	From Alberta	130	40	200	120	220	1,850	520	1,780	5,460	400	10,710
	Net Exchange	80	20	-40	10	190	910	570	1,210	-1,570	0	1,400

Notes: Data may not add to totals due to rounding.

p: Preliminary





**TABLE 4**  
**NATURAL INCREASE BY COMPONENT**  
**ALBERTA, 1986 to 1991**

Quarter	Births	Deaths	Natural Increase
<u>1986</u>			
I	10,660	3,490	7,170
II	11,790	3,410	8,380
III	11,140	3,260	7,880
IV	10,260	3,450	6,810
TOTAL	43,850	13,610	30,240
<u>1987</u>			
I	10,380	3,280	7,100
II	11,190	3,350	7,840
III	10,620	3,280	7,340
IV	9,920	3,400	6,520
TOTAL	42,110	13,320	28,790
<u>1988</u>			
I	10,140	3,670	6,470
II	10,750	3,380	7,370
III	10,950	3,300	7,650
IV	10,210	3,550	6,660
TOTAL	42,050	13,890	28,160
<u>1989</u>			
I	10,460	3,450	7,010
II	11,490	3,390	8,100
III	11,090	3,340	7,750
IV	10,310	3,670	6,640
TOTAL	43,350	13,850	29,500
<u>1990</u>			
I	10,710	3,600	7,110
II	11,280	3,320	7,960
III	10,660	3,390	7,270
IV	10,720	3,660	7,060
TOTAL	43,370	13,970	29,400
<u>1991</u>			
lp	11,450	3,880	7,570

Notes: Data may not add to totals due to rounding.  
p: Preliminary



**TABLE 5**  
**POPULATION GROWTH BY CENSUS YEAR, BY COMPONENT**  
**ALBERTA, 1981 to 1990**  
**(IN THOUSANDS)**

Year	Population (June 1)	Natural Increase				Migration						Total Net Migration
		Growth	Births	Deaths	Net	International			Interprovincial			
						Immig.	Emig.	Net	In	Out	Net	
1981	2,237.3	77.2	44.0	13.2	30.8	20.6	7.3	13.2	98.0	64.8	33.3	46.5
1982	2,314.5	24.1	45.6	13.0	32.7	14.5	7.9	6.6	57.9	72.9	-15.1	-8.5
1983	2,338.7	-0.2	45.1	12.7	32.4	10.6	7.8	2.8	39.9	75.3	-35.4	-32.6
1984	2,338.5	10.1	44.2	13.0	31.2	9.5	5.4	4.1	64.5	89.8	-25.2	-21.1
1985	2,348.5	26.6	44.3	13.6	30.7	10.2	6.6	3.6	74.2	81.8	-7.7	-4.1
1986	2,375.1	2.6	43.3	13.4	29.9	10.4	7.4	3.0	46.2	76.5	-30.3	-27.3
1987	2,377.7	10.9	41.6	13.8	27.8	12.6	6.3	6.3	47.5	70.7	-23.2	-16.9
1988	2,388.7	37.2	42.9	13.7	29.2	14.8	5.3	9.5	58.1	59.6	-1.5	8.0
1989	2,425.9	45.7	43.5	14.0	29.5	17.5	6.0	11.5	70.1	65.4	4.7	16.2
1990	2,471.6											

Note: Data may not add to totals due to rounding.





**TABLE 6**  
**Population By Age and Sex**  
**Alberta, 1990 and 1991**  
**(In Thousands)**

AGE	JANUARY 1, 1991			JANUARY 1, 1990		
	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL
0	21.8	21.1	42.9	21.7	21.0	42.7
1	21.9	21.1	42.9	21.4	20.5	41.9
2	21.4	20.6	42.0	21.2	20.2	41.4
3	21.2	20.3	41.5	21.3	20.3	41.6
4	21.3	20.4	41.7	20.9	19.9	40.8
0-4	107.6	103.3	211.0	106.4	101.9	208.3
5	21.0	19.9	40.9	20.6	19.6	40.2
6	20.7	19.7	40.4	20.5	19.4	39.9
7	20.6	19.5	40.1	20.1	19.0	39.1
8	20.2	19.0	39.3	19.5	18.4	38.0
9	19.6	18.5	38.2	19.1	18.0	37.1
5-9	102.2	96.6	198.8	99.9	94.4	194.2
10	19.2	18.1	37.3	18.6	17.6	36.2
11	18.7	17.7	36.4	18.1	17.1	35.3
12	18.2	17.2	35.5	18.1	17.0	35.1
13	18.2	17.2	35.4	18.2	17.2	35.4
14	18.4	17.5	35.8	17.9	17.1	35.0
10-14	92.8	87.6	180.4	90.9	86.0	176.9
15	18.2	17.4	35.6	17.5	16.8	34.3
16	17.8	17.2	35.1	17.6	17.0	34.6
17	18.1	17.5	35.5	18.3	17.4	35.7
18	18.8	17.9	36.7	19.2	18.1	37.3
19	19.7	18.6	38.3	19.9	18.8	38.7
15-19	92.6	88.6	181.2	92.5	88.1	180.6
20	20.4	19.3	39.7	19.4	18.5	38.0
21	20.0	19.0	39.0	19.0	18.4	37.4
22	19.5	18.8	38.3	19.2	18.6	37.8
23	19.6	19.0	38.7	19.5	19.3	38.8
24	19.9	19.7	39.6	20.6	20.3	40.9
20-24	99.5	95.8	195.3	97.7	95.1	192.9

See note at end of table.



**TABLE 6 (CONTINUED)**  
**Population By Age and Sex**  
**Alberta, 1990 and 1991**  
**(In Thousands)**

AGE	JANUARY 1, 1991			JANUARY 1, 1990		
	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL
25	20.9	20.6	41.6	22.1	21.9	44.1
26	22.4	22.2	44.6	23.2	23.2	46.4
27	23.4	23.4	46.8	23.5	24.0	47.5
28	23.7	24.1	47.8	24.0	24.2	48.2
29	24.1	24.3	48.4	24.6	24.3	48.9
25-29	114.5	114.7	229.2	117.4	117.6	234.9
30	24.7	24.4	49.1	24.6	24.2	48.8
31	24.7	24.4	49.1	24.7	24.1	48.7
32	24.8	24.3	49.0	24.8	24.0	48.8
33	24.9	24.2	49.1	24.5	23.7	48.2
34	24.6	23.9	48.4	24.2	23.3	47.5
30-34	123.7	121.1	244.7	122.8	119.2	242.0
35	24.3	23.5	47.8	23.6	22.6	46.1
36	23.7	22.8	46.4	22.4	21.6	44.0
37	22.5	21.8	44.3	21.2	20.4	41.6
38	21.3	20.6	41.9	20.0	19.3	39.3
39	20.2	19.5	39.6	19.4	18.8	38.2
35-39	112.0	108.2	220.1	106.6	102.7	209.3
40	19.5	18.9	38.5	19.0	18.2	37.2
41	19.1	18.3	37.4	18.6	18.1	36.6
42	18.6	18.2	36.8	18.6	18.2	36.8
43	18.6	18.3	36.9	17.2	16.8	33.9
44	17.2	16.8	34.0	14.9	14.4	29.3
40-44	93.1	90.6	183.7	88.2	85.7	173.9
45	15.0	14.4	29.4	14.4	13.8	28.2
46	14.5	13.8	28.2	14.0	13.5	27.5
47	14.0	13.5	27.5	13.2	12.8	26.1
48	13.2	12.8	26.0	12.4	11.9	24.3
49	12.4	11.9	24.3	11.9	11.5	23.4
45-49	69.1	66.4	135.5	66.0	63.5	129.5

See note at end of table.



**TABLE 6 (CONTINUED)**  
**Population By Age and Sex**  
**Alberta, 1990 and 1991**  
**(In Thousands)**

AGE	JANUARY 1, 1991			JANUARY 1, 1990		
	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL
50	11.9	11.5	23.4	11.3	10.8	22.2
51	11.3	10.8	22.1	10.9	10.5	21.4
52	10.9	10.5	21.4	10.6	10.3	20.9
53	10.6	10.3	20.9	10.6	10.2	20.8
54	10.5	10.2	20.7	10.5	10.1	20.6
50-54	55.2	53.3	108.5	53.9	52.0	105.9
55	10.4	10.1	20.5	10.1	9.7	19.9
56	10.1	9.7	19.8	10.1	9.6	19.7
57	10.0	9.6	19.6	10.1	9.6	19.7
58	10.0	9.6	19.6	9.9	9.5	19.4
59	9.8	9.5	19.3	9.8	9.5	19.3
55-59	50.2	48.5	98.7	50.1	48.0	98.1
60	9.7	9.5	19.2	9.4	9.2	18.6
61	9.3	9.2	18.5	8.9	8.8	17.8
62	8.8	8.8	17.6	8.6	8.6	17.3
63	8.5	8.6	17.1	8.2	8.5	16.7
64	8.1	8.5	16.5	7.8	8.4	16.1
60-64	44.2	44.5	88.8	42.9	43.6	86.5
65	7.6	8.3	16.0	7.4	8.1	15.5
66	7.2	8.1	15.3	7.1	8.0	15.0
67	6.9	7.9	14.9	6.9	8.0	14.9
68	6.8	8.0	14.7	6.8	7.9	14.6
69	6.7	7.8	14.5	6.4	7.5	13.9
65-69	35.2	40.1	75.4	34.5	39.4	74.0
70	6.3	7.4	13.7	5.8	7.0	12.8
71	5.6	6.9	12.6	5.1	6.2	11.4
72	5.0	6.2	11.1	4.9	6.0	10.9
73	4.8	6.0	10.7	4.7	5.9	10.6
74	4.6	5.8	10.3	4.6	5.8	10.3
70-74	26.2	32.3	58.5	25.1	30.9	56.0

See note at end of table.





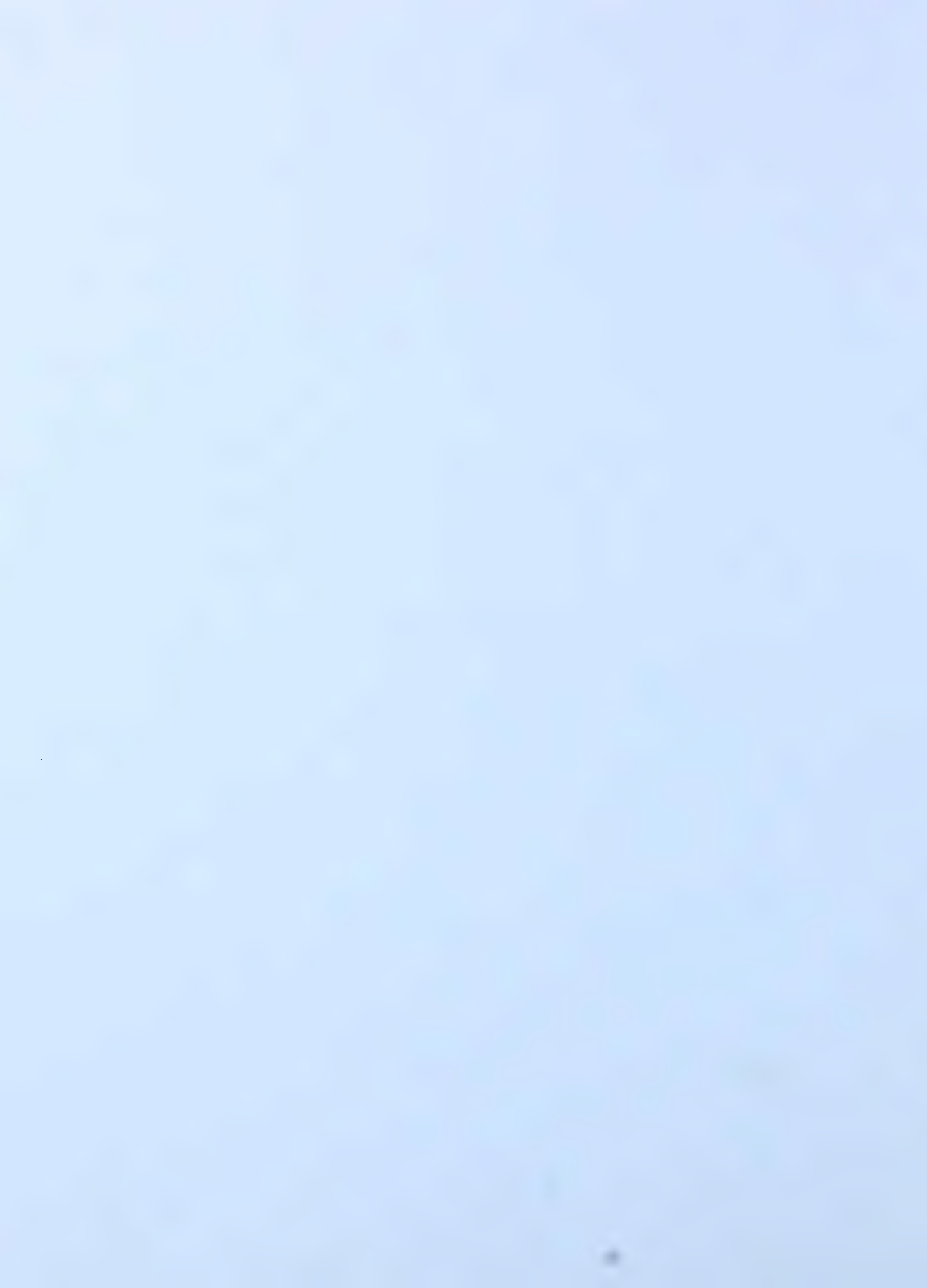
**TABLE 6 (CONCLUDED)**  
**Population By Age and Sex**  
**Alberta, 1990 and 1991**  
**(In Thousands)**

AGE	JANUARY 1, 1991			JANUARY 1, 1990		
	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL
75	4.4	5.7	10.1	4.3	5.6	10.0
76	4.2	5.5	9.7	3.9	5.3	9.2
77	3.7	5.2	8.9	3.5	4.8	8.2
78	3.3	4.7	7.9	3.1	4.4	7.5
79	2.9	4.3	7.2	2.9	4.1	6.9
75-79	18.5	25.3	43.8	17.7	24.1	41.8
80	2.7	3.9	6.6	2.6	3.7	6.3
81	2.4	3.6	6.0	2.3	3.4	5.8
82	2.1	3.3	5.4	2.0	3.2	5.2
83	1.8	3.0	4.9	1.8	2.8	4.6
84	1.6	2.7	4.2	1.6	2.6	4.1
80-84	10.6	16.5	27.1	10.3	15.7	26.0
85	1.4	2.4	3.8	1.4	2.3	3.7
86	1.2	2.2	3.4	1.2	1.9	3.1
87	1.0	1.8	2.8	1.0	1.6	2.6
88	0.8	1.5	2.3	0.8	1.4	2.2
89	0.7	1.3	2.0	0.6	1.3	1.9
85-89	5.1	9.1	14.2	4.9	8.6	13.5
90+	1.9	4.5	6.4	1.8	4.2	6.0
TOTAL	1,254.2	1,247.2	2,501.4	1,229.6	1,220.7	2,450.2

Note: Data may not add to totals due to rounding.



## **METHODOLOGY**





## METHODOLOGY

### Introduction

Alberta Bureau of Statistics, jointly with the Demography Division of Statistics Canada, prepared quarterly population estimates to provide up-to-date information on Alberta's population. These estimates are derived using information from administrative data files obtained from the following government agencies:

- 1) birth and death registrations from Vital Statistics Section, Alberta Health;
- 2) family allowance transfer counts from Income Security Branch, Health and Welfare Canada;
- 3) international migration statistics from Employment and Immigration Canada; and
- 4) health care registration data from Alberta Health.

The final estimates are produced using a component method. A description of the basic methodology and the procedures used in estimating each of the population growth components is presented in the following sections.

### The Component Method

The component method of estimating quarterly population growth employs the population of a previous quarter as a base, and adds the natural increase plus net migration to derive the population estimates for the following quarter. Natural increase is obtained by subtracting deaths from births. Net migration is obtained by aggregating net interprovincial (in-migration minus out-migration) and net international migration (immigration minus emigration). Net migration and natural increase are then combined to derive an estimate of population growth.



## **Natural Increase**

Natural increase is calculated as the difference between the number of births and the number of deaths that occurred during a specific quarter. Preliminary estimates on births and deaths are produced using birth and death rates. The average quarterly crude birth rate and the crude death rate of the preceding year are applied to the estimated provincial population at the beginning of the period to derive the estimated number of births and deaths. These estimates are then replaced by actual counts when data are available from the Vital Statistics Section, Alberta Health. These figures for births and deaths are 98% accurate. At the end of the year, the figures are further revised to include late registrations and out-of-province births and deaths.

## **Interprovincial Migration**

Net interprovincial migration is derived as the balance of in-migration to and out-migration from the province.

To obtain preliminary estimates of interprovincial migration, family allowance transfer of accounts are used in conjunction with the latest adjustment factors and adult-child ratios. Since family allowance cheques are mailed to families monthly, there is incentive for these families to report any change in their address. The time lag in reporting such change is usually very small. Over the years family allowance transfer of accounts data have been an accurate source of the movements of children among the provinces.

The procedures used in estimating interprovincial migration for Alberta are further improved by incorporating additional information from tax records migration data. The adult-child ratios as well as adjustment factors for in and out-migration are used in the computation to derive an estimate of adult migration.

## **Immigration**

The estimate of immigration is first produced on a preliminary basis and then revised when immigration statistics become available. Preliminary estimates are derived taking into consideration the expected number of immigrants to be admitted to Canada in certain year



as announced by Employment and Immigration Canada. Based on the historical immigration records, a ratio is derived to estimate Alberta's share of the total immigrants coming to Canada.

The final estimate of immigrants coming to Alberta is based on statistics compiled from immigration papers which each immigrant submits to the Canadian authority at the port of entry. The immigration papers contain information on the intended place of destination and the place of origin of the immigrant. Since this information is available monthly, the quarterly estimate of immigrants intending to come to Alberta can be calculated.

## **Emigration**

Emigration estimates are derived using information from family allowance data and the number of emigrants to the United States. The family allowance files provide the number of child emigrants from Canada to all countries during the quarter. The USA quarterly tables contain the number of Canadian emigrants by age to the United States. The estimation of the total number of emigrants consists of three steps.

- a) The total number of Canadian emigrants to countries other than USA is estimated by using family allowance data minus the child emigrants to the USA together with an adjustment factor developed from immigration files. This factor, applied to the number of family allowance accounts transferred out of country during the quarter, will provide the number of adult emigrants to countries other than the USA.
- b) The exact number of emigrants to the USA is then added to estimates derived in (a).
- c) The distribution of emigrants by province of origin (Alberta) is derived using the family allowance data.





## GLOSSARY

**Birth Rate, or Crude Birth Rate** - the number of births in a year divided by the total population.

**Child Dependency Ratio** - the ratio of children under 15 to working-age persons between the ages of 15 to 64.

**Death Rate, or crude Death Rate** - the number of deaths in a year divided by the total population.

**Emigration** - the migration of population out of a country to another country.

**Fertility** - the contribution of births to population change.

**Immigration** - the migration of population into a country from another country.

**In-migration** - the migration of population into a geographical area.

**Median Age** - the age at which the population is divided into equal halves, such that one half of the population is older than the median age and the other half of the population is younger than the median age.

**Migration** - a permanent change of residence from one geographical area to another.

**Natural Increase** - the net contribution of births less deaths to population change.

**Net Migration** - the difference between in-migration and out-migration for a geographical area.

**Old Age Dependency Ratio** - The ratio of persons aged 65 years and over to working-age persons between the ages of 15 and 64.

**Out-migration** - the migration of population out of a geographical area.

**Sex Ratio** - the proportion of males to females in a population.





